

**Sonoma County Water Agency Russian River Habitat Planning, Restoration, and Coordination  
Project Data Sharing Plan  
NOAA Blueprint (CFDA 11.416)**

The Russian River Habitat Planning, Restoration, and Coordination, implemented by Sonoma County Water Agency (SCWA) will generate environmental data and information. For each of the projects described below, future sub-awardees not identified in this plan will have as a condition of their contract acceptance of this data sharing plan. Any additional data sharing stipulations for future sub-awardees may be outlined at that time and described in their contract.

1. *Russian River Water Quality Modeling to Inform Time-Dependent Availability of Estuarine Habitat for Salmonids:*
  - a. Data: water temperature, dissolved oxygen, pH, salinity, and depth using datasondes deployed in the lower, middle, and upper reaches of the Russian River Estuary, and data on estuarine hydrodynamics, water quality, and physical processes associated with river mouth conditions. Data will be collected by Bodega Marine Laboratory and SCWA.
  - b. Documentation: A report that synthesizes current available data and describes likely estuarine habitat conditions in response to prescribed management scenarios will be prepared in text and figures, and as a digital file.
  - c. Data Collection Procedures: Identified in Water Agency water quality monitoring plan submitted to the North Coast Regional Water Quality Control Board, California Coastal Commission, and National Marine Fisheries Service.
  - d. Data Sharing: The collected data and details about our methods will be available to the public upon request, starting on October 1, 2015. Contact Jessica Martini-Lamb at [Jessica.Martini.Lamb@scwa.ca.gov](mailto:Jessica.Martini.Lamb@scwa.ca.gov) for more information or to make a data request. In the past, we have also shared similar data through grant progress reports, annual monitoring reports, and on our website at [www.scwa.ca.gov](http://www.scwa.ca.gov).
2. *Coastal Monitoring Plan Implementation in the Russian River Watershed*
  - a. Data: i) Dispersed redd surveys augmented with data from Life Cycle Monitoring (LCM) data at Life Cycle Monitoring Stations (LCS); ii) Spatial structure- Juvenile snorkeling surveys (coho salmon and steelhead); iii) spawner surveys (Chinook salmon); iv) Diversity- Local evaluation of life history. Data will be collected by SCWA staff and the UC Cooperative Extension.
  - b. Documentation: electronic version of the data set arising from basin-wide sampling that is compatible with the statewide CMP database will be produced.
  - c. Data Collection Procedures: monitoring protocol will follow the procedures in Fish Bulletin 180 California coastal salmonid population monitoring: strategy, design, and methods. California Department of Fish and Wildlife.
  - d. Data Sharing: The collected data and details about our methods will be available to the public upon request, starting on October 1, 2015. Contact Gregg Horton at [gregg.horton@scwa.ca.gov](mailto:gregg.horton@scwa.ca.gov) for more information or to make a data request. In the past, we have also shared similar data through grant progress reports and on our website at [www.scwa.ca.gov](http://www.scwa.ca.gov).

3. *Russian River Estuary - Climate Change Sea Level Rise*

- a. Data: sea level rise and storm data developed by the USGS Coastal Storm Modeling System (CoSMoS) on open-coast, cliff-backed, and estuarine shorelines. Data will be developed by USGS.
- b. Documentation: Data set documentation and format will be in accordance with the NOAA-USGS MOU.
- c. Data Collection Procedures: Procedures will be in accordance with the NOAA-USGS MOU.
- d. Data Sharing: The collected data, details about methods, and schedule for making available to the public upon request will be in accordance with the NOAA-USGS MOU. Contact Tim Doherty at [tim.doherty@noaa.gov](mailto:tim.doherty@noaa.gov) for more information or to make a data request. In the past, we have also shared similar data through grant progress reports and on our website at [www.scwa.ca.gov](http://www.scwa.ca.gov).

4. *Precipitation and River Flow Forecasting to Maximize Water Capture for Fisheries*

- a. Data: atmospheric ensemble (precipitation, temperature, etc.) forecasts from the NOAA National Centers for Environmental Prediction (NCEP). Demonstration of HMT advanced forecasting tool capabilities will be provided in Year 1 of the project, including evaluation of reforecast data set products (Hamill and Whitaker 2006) for improved atmospheric forecasts in the western U.S. The NWS must “pre-process” atmospheric forecasts to produce atmospheric forcing at the space and time scales of the hydrologic forecast models. This includes spatial and temporal downscaling, statistical model bias correction, and an analysis of model hindcasts together with corresponding observations to calibrate the pre-processing algorithms. Data will be collected and developed by SCRIPPS, an OAR-approved contractor, and SCWA.
- b. Documentation: Data set documentation and format will be in accordance with NOAA data requirements and will be documented in a report in digital format.
- c. Data Collection Procedures: Procedures will be in accordance with NOAA data collection requirements.
- d. Data Sharing: The collected data and details about methods will be available to the public upon request, starting on October 1, 2015 in accordance with NOAA guidelines. Contact Chris Delaney at [chris.delaney@scwa.ca.gov](mailto:chris.delaney@scwa.ca.gov) for more information or to make a data request. In the past, we have also shared similar data through grant progress reports and on our website at [www.scwa.ca.gov](http://www.scwa.ca.gov).

5. *Westminster Woods tank*

- a. Data: Continuous monitoring of streamflow by the Russian River Coho Water Resources Partnership via a stream gauge installed at the point of water diversion on the mainstem of Dutch Bill Creek. Final design documents for the off-channel storage tank will be prepared by a consultant on behalf of the Gold Ridge Resource Conservation District.
- b. Documentation: The data including the design documents and a final report documenting completion of construction will be made available in text format and digitally.
- c. Data Collection Procedures: Streamflow data is collected from stream gauges in accordance with USGS requirements.
- d. Data Sharing: The collected data and details about methods will be available to the public upon request, following completion of tank construction starting on October 1, 2016. Contact David Cuneo at [david.cuneo@scwa.ca.gov](mailto:david.cuneo@scwa.ca.gov) for more information or to make a data request. In the past, we have also shared similar data through grant progress reports and on our website at [www.scwa.ca.gov](http://www.scwa.ca.gov).

6. *Improving Frost Protection Methods and Prediction*

- a. Data: Following installation of meteorological towers, collect detailed real-time temperature inversion information air temperatures will be measured at 1.5 m and 10.7 m heights with a Campbell Scientific data logger and shielded Type-E thermocouples; relative humidity will also be measured for calculation of

dew point and wet bulb temperatures. Data will be collected by the UC Cooperative Extension.

- b. Documentation: Data set documentation and format will be in accordance with NOAA data requirements and will be documented in a report in digital format.
- c. The real-time data from all weather stations and towers will be posted on the NOAA ESRL website, and will also be posted on a separate University of California website in a format most convenient for use by vineyard industry clientele and the general public. In addition a report detailing the best places for alternative frost measures will be developed.
- d. Data Collection Procedures: Procedures will be in accordance with NOAA data collection requirements.
- e. Data Sharing: The real-time data from all weather stations and towers will be posted on the NOAA ESRL website, and will also be posted on a separate University of California website in a format most convenient for use by vineyard industry clientele and the general public. In addition a report detailing the best places for alternative frost measures will be developed. The collected data and details about methods will be available to the public upon request, starting on October 1, 2015 in accordance with NOAA guidelines. Contact Chris Delaney at [chris.delaney@scwa.ca.gov](mailto:chris.delaney@scwa.ca.gov) for more information or to make a data request. In the past, we have also shared similar data through grant progress reports and on our website at [www.scwa.ca.gov](http://www.scwa.ca.gov).